

Fig. 1.

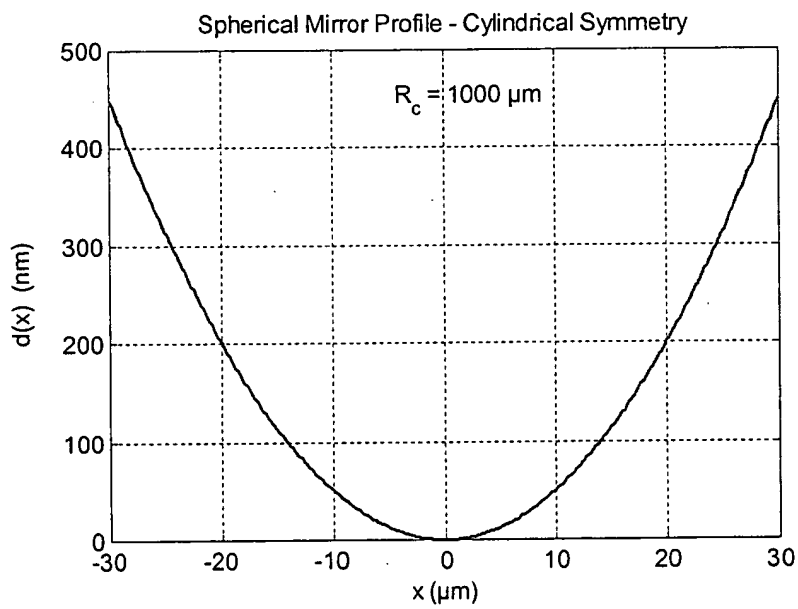


Fig. 2.

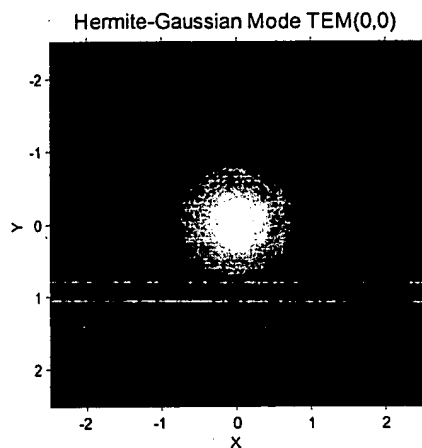


Fig. 3A

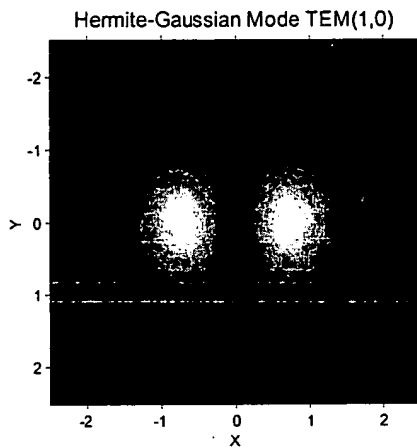


Fig. 3B

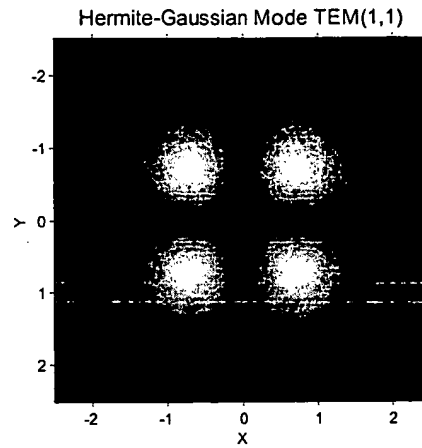


Fig. 3C

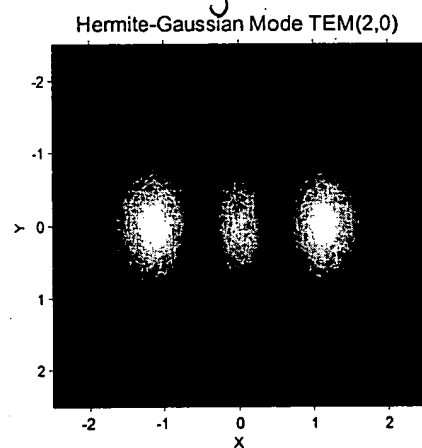


Fig. 3D

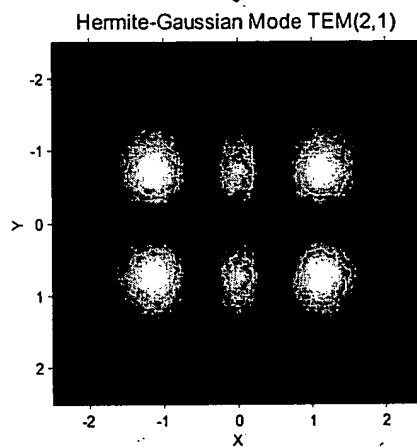


Fig. 3E

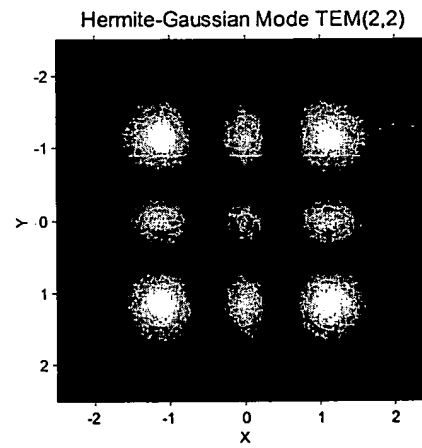


Fig. 3F

Fig. 3A Fig. 3B Fig. 3C Fig. 3D Fig. 3E Fig. 3F

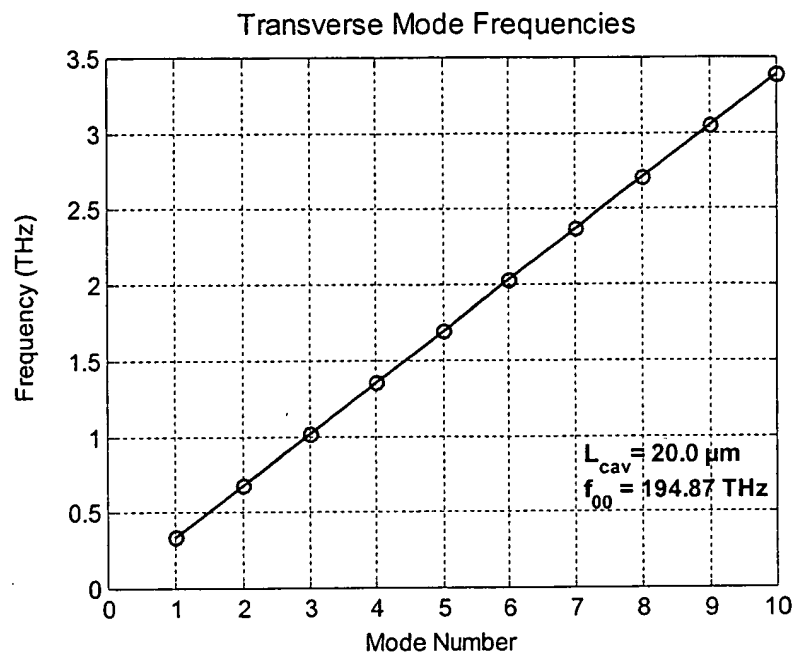


Fig. 4.

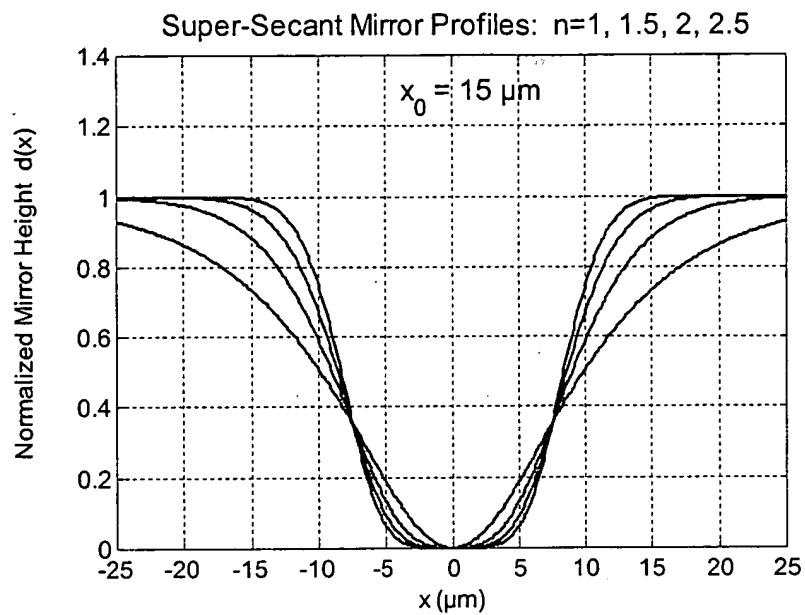


Fig. 5.

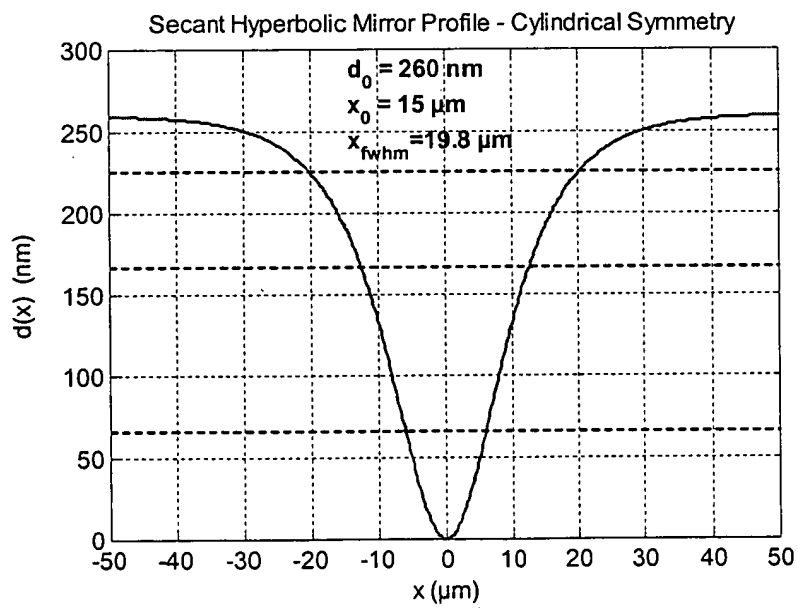


Fig. 6.

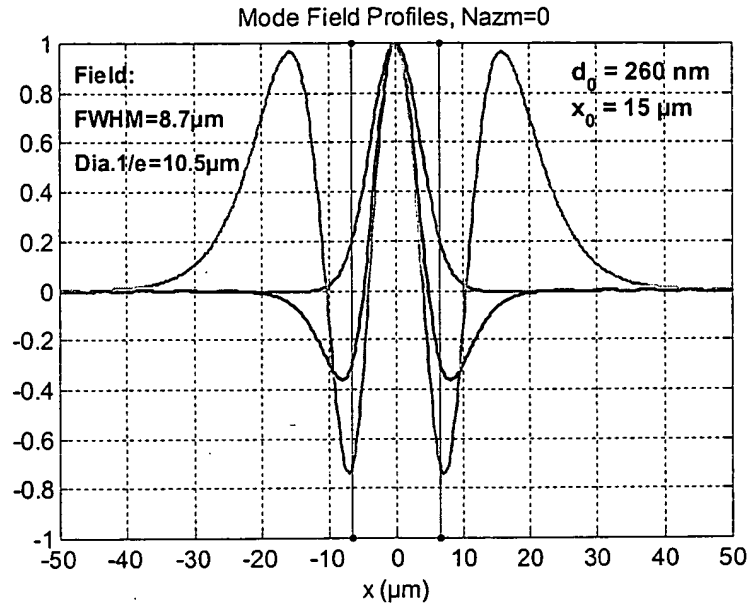


Fig. 7.

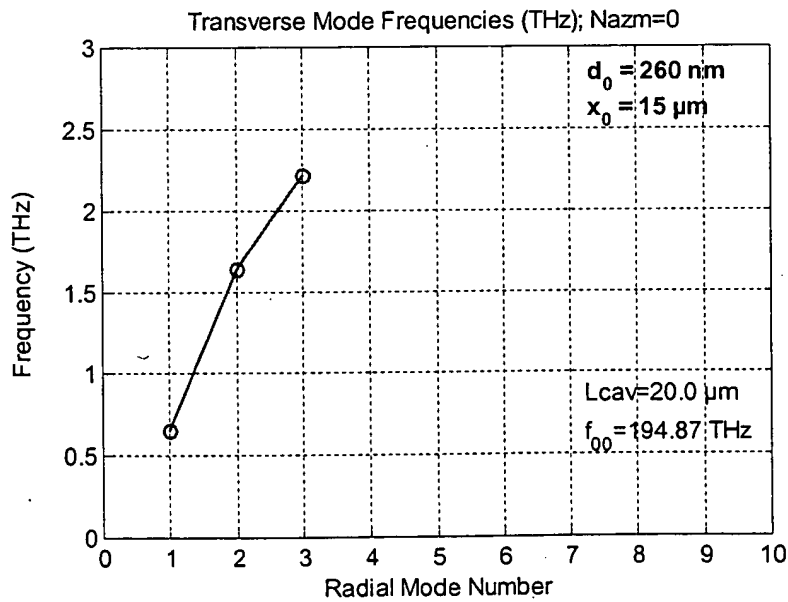


Fig. 8.

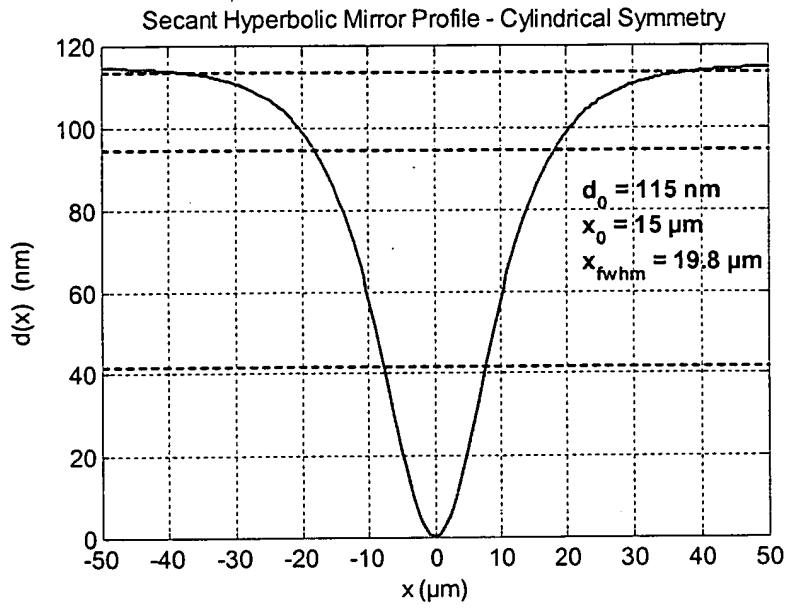


Fig. 9.

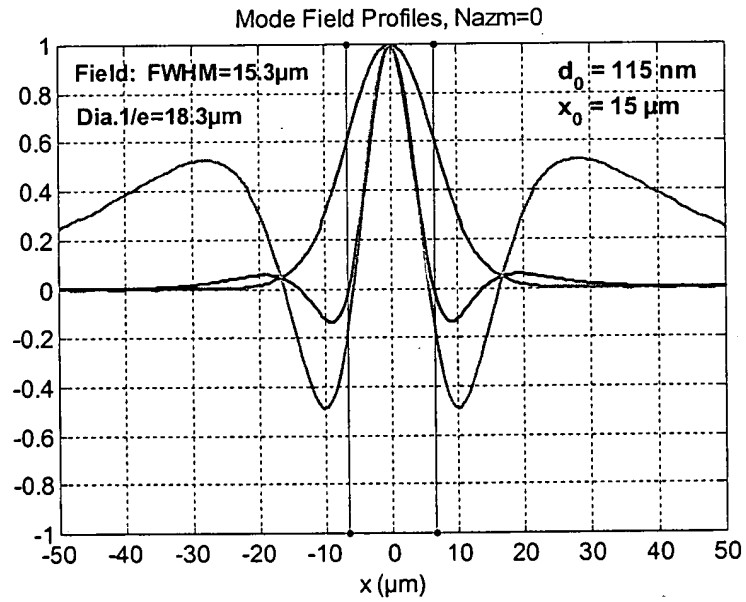


Fig. 10.

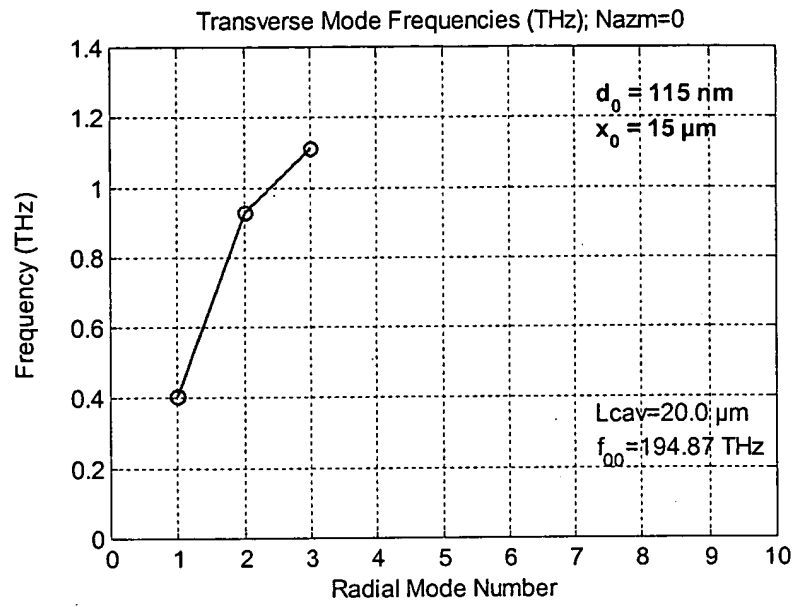


Fig. 11.

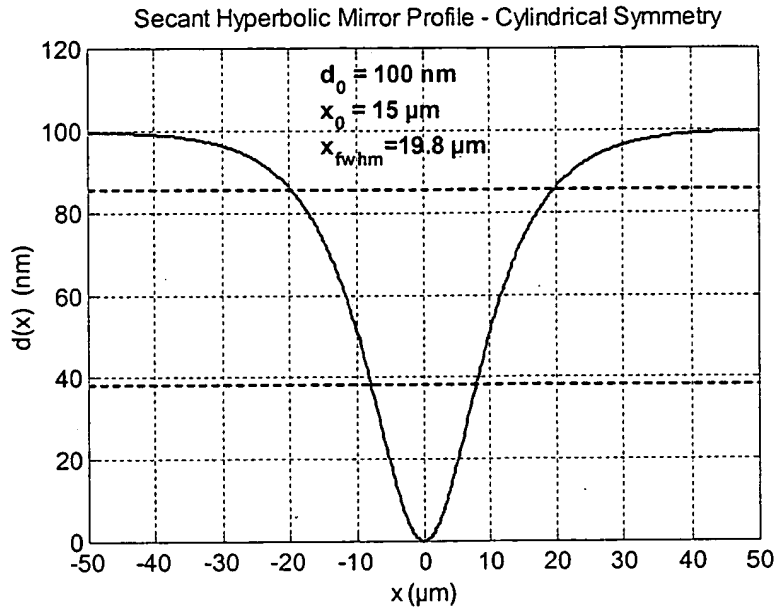


Fig. 12.

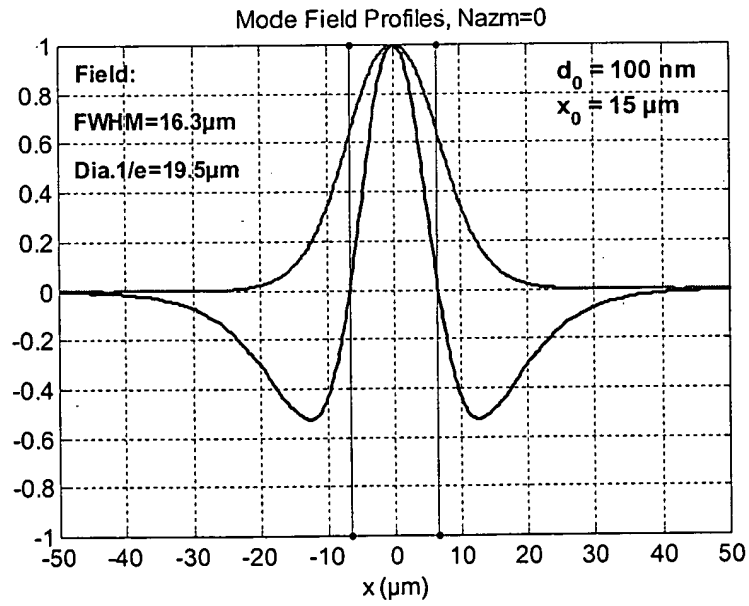


Fig. 13.

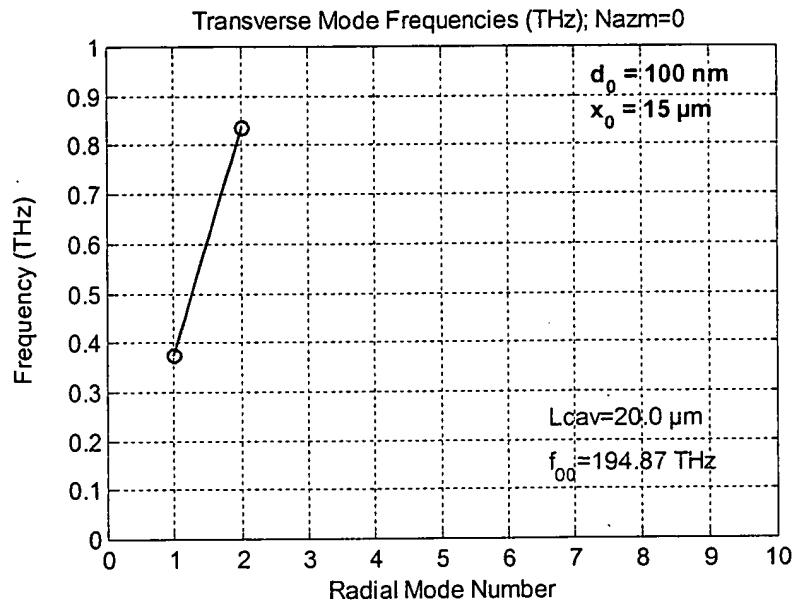


Fig. 14.

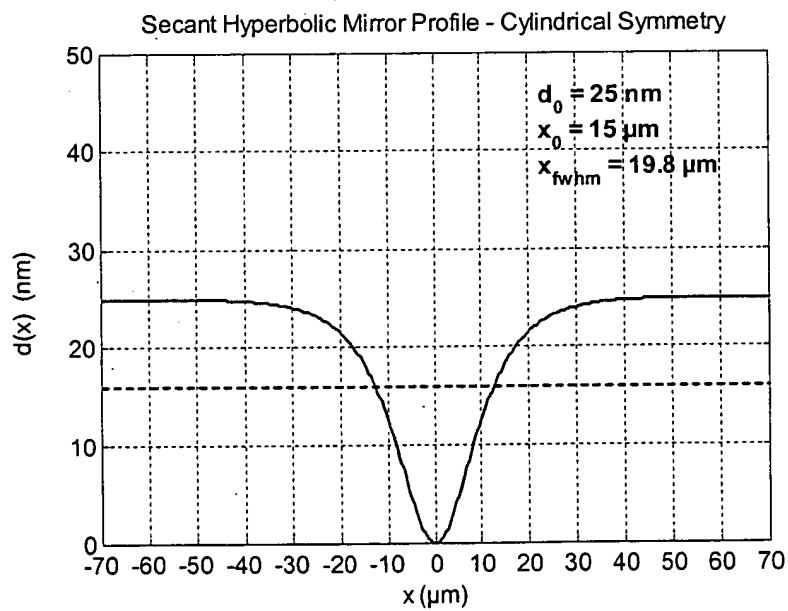


Fig. 15.

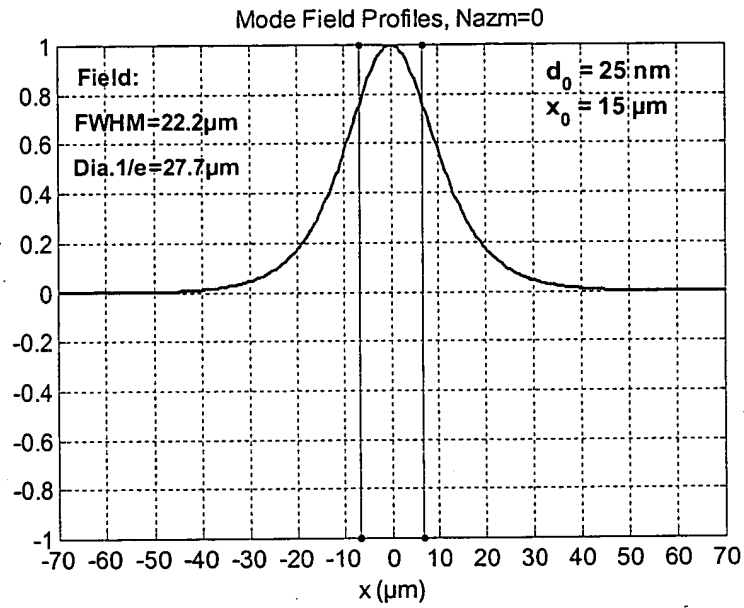


Fig. 16.

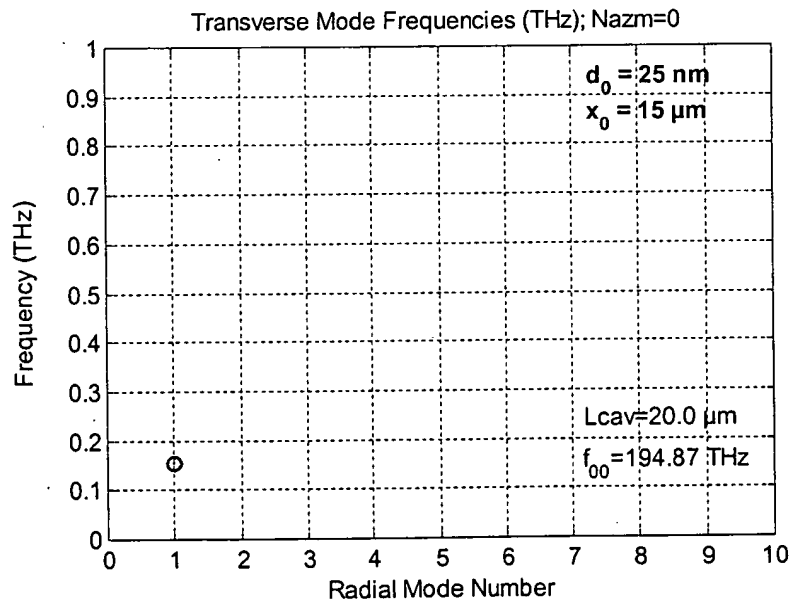


Fig. 17.

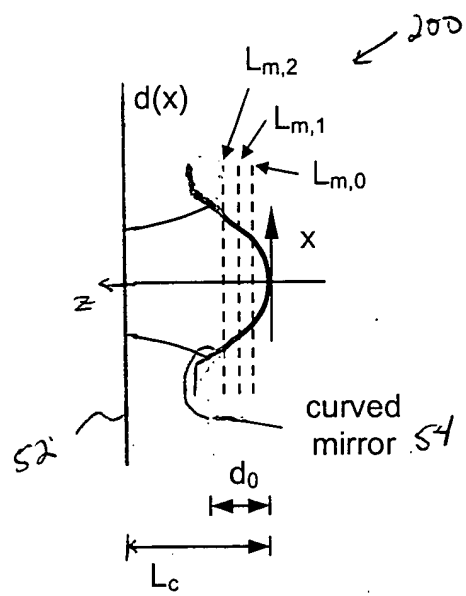


Fig. 18.

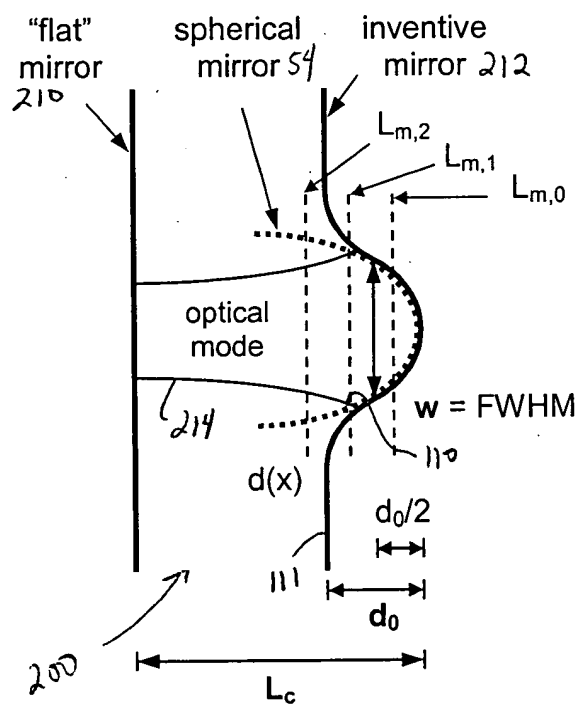


Fig. 19.

Transvers Modes of a S cant Hyperbolic Mirror Optical Resonator

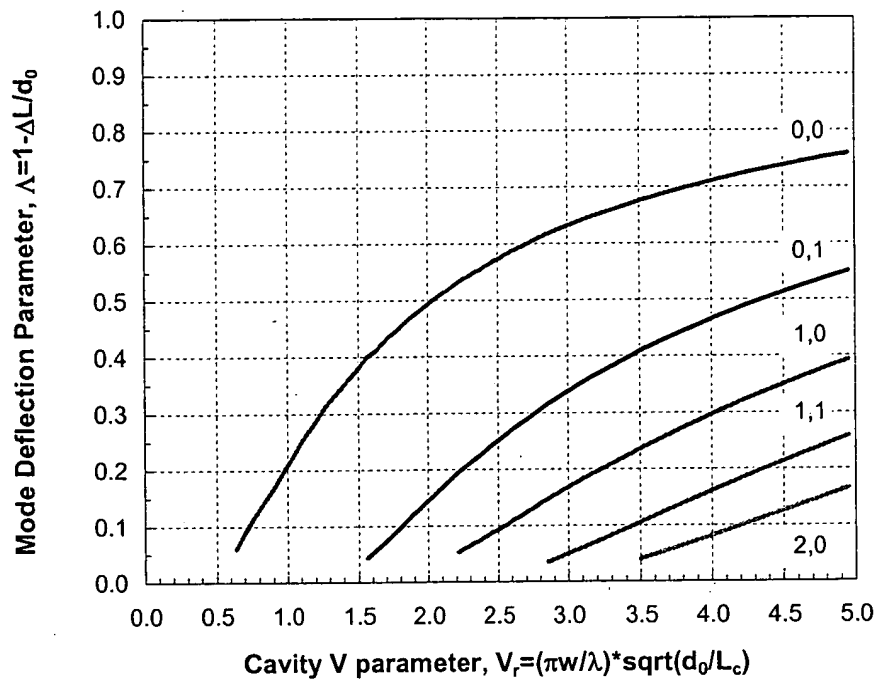


Fig. 20.

Transverse Modes - Secant Hyperbolic Mirror Resonator

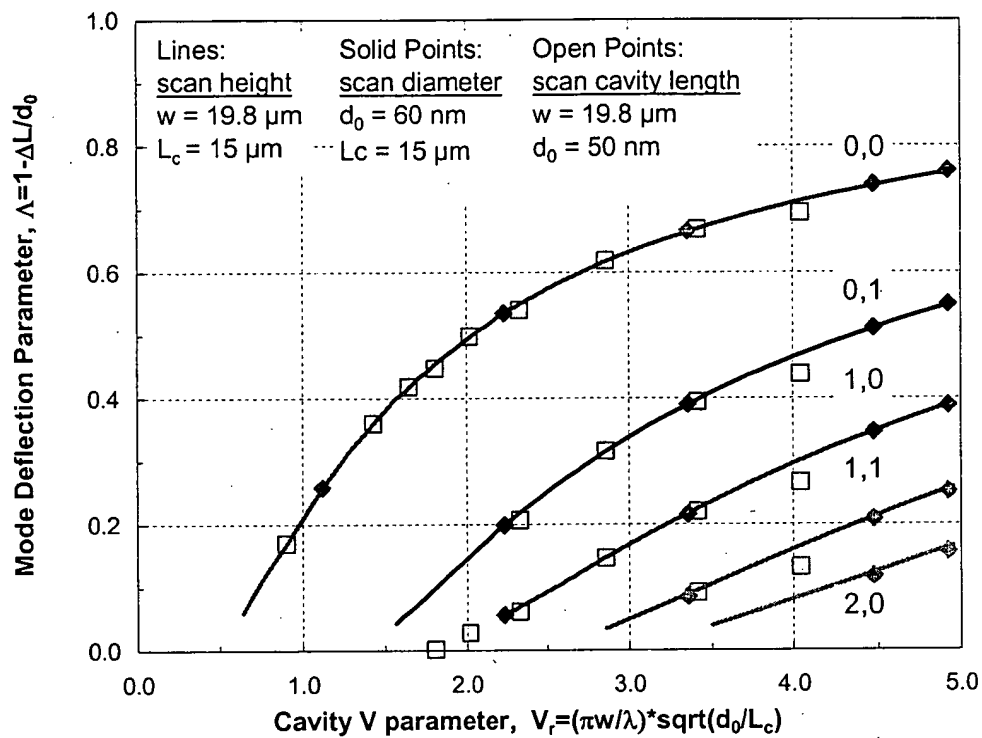


Fig. 21.

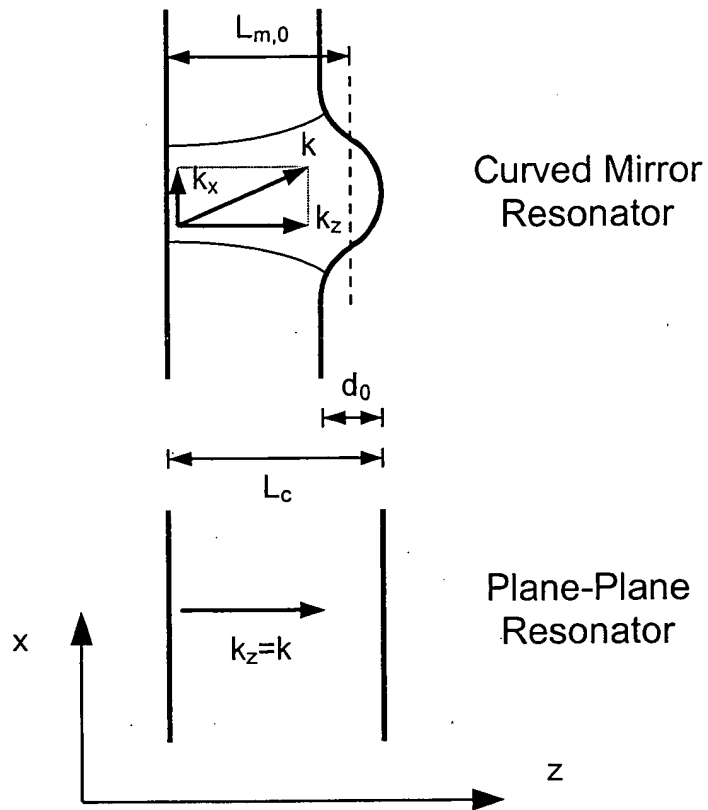


Fig. 22.

Fundamental Mode Confinement:
Mode / Mirror Diameter Ratio

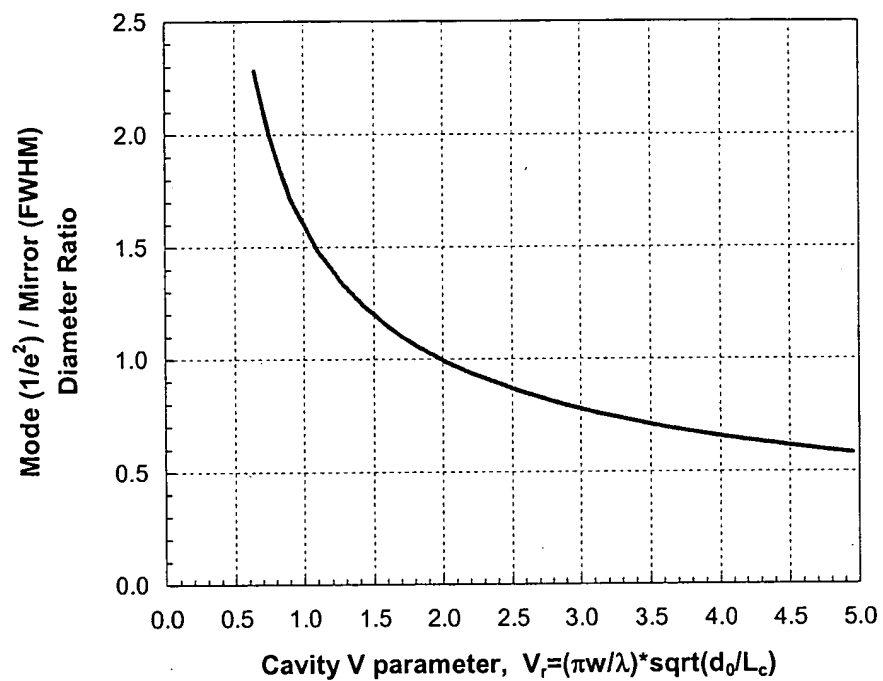


Fig. 23.

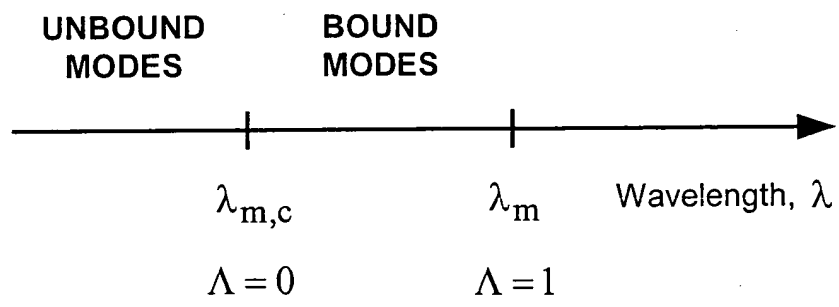


Fig 24.

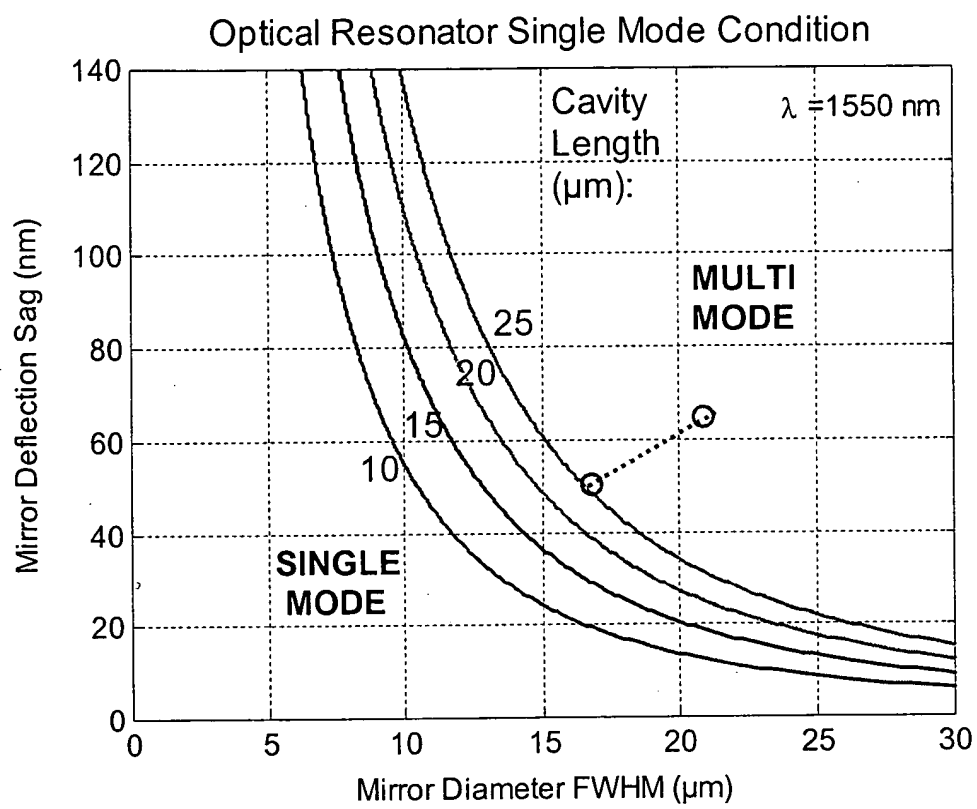


Fig. 25.

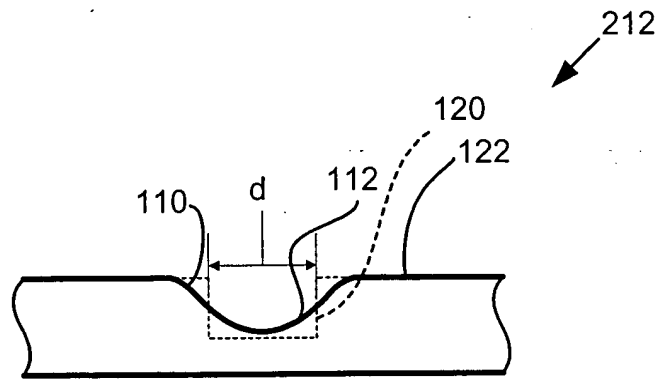


Fig. 26

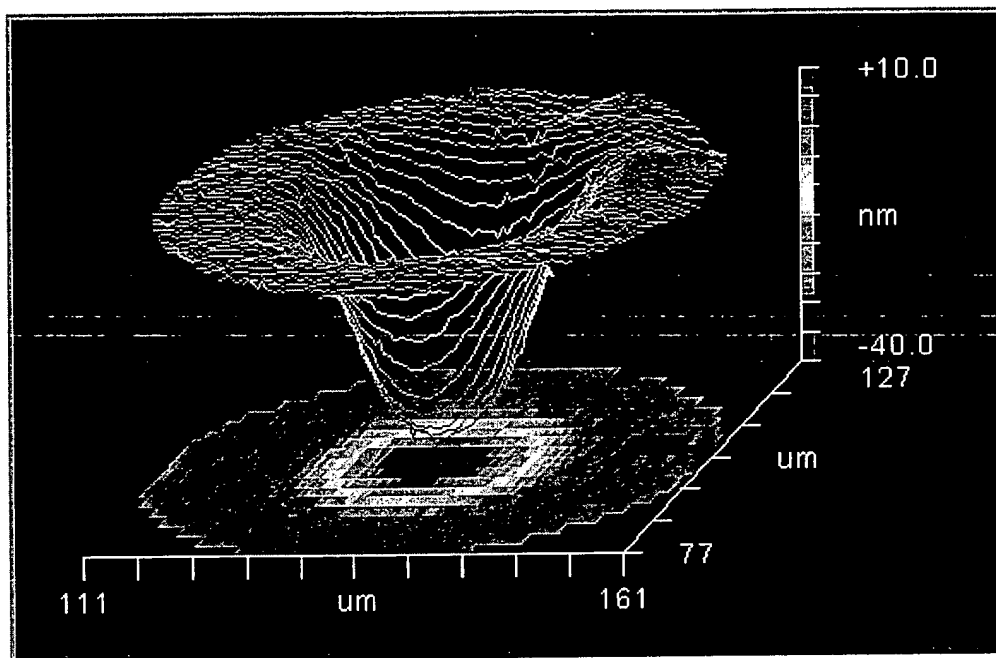


Fig. 27A.

Mass Transported Mirror Profile

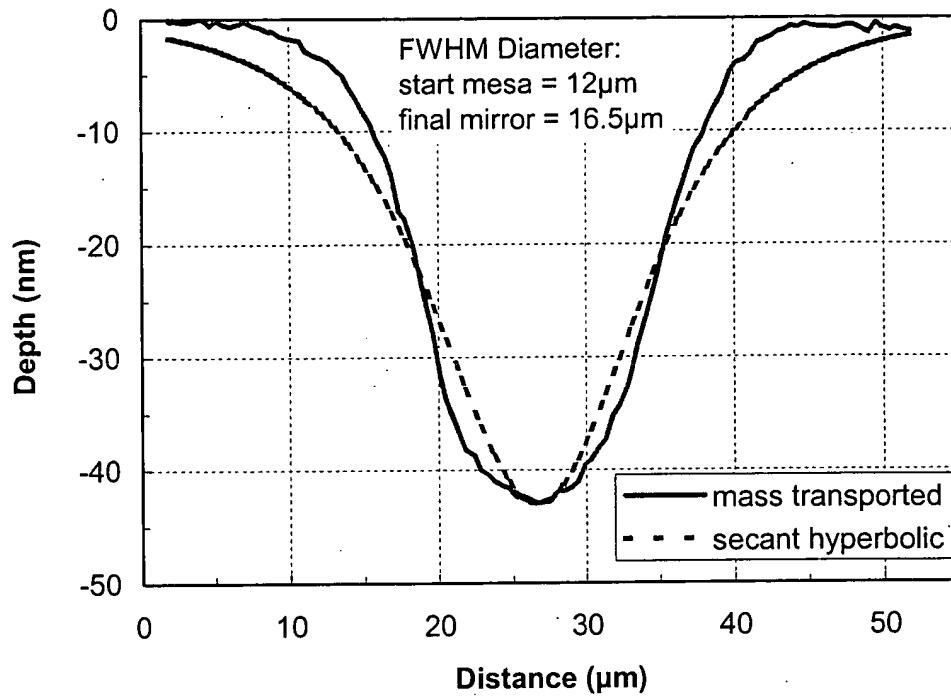


Fig. 27B.

Transvers Modes of Optical Resonators with Finite Depth Mirrors

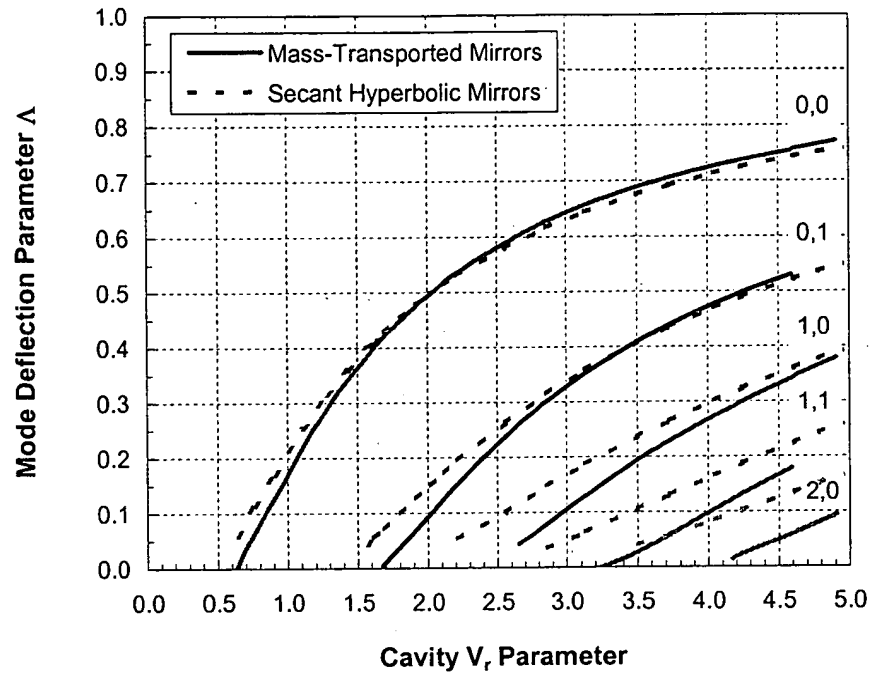


Fig. 28.

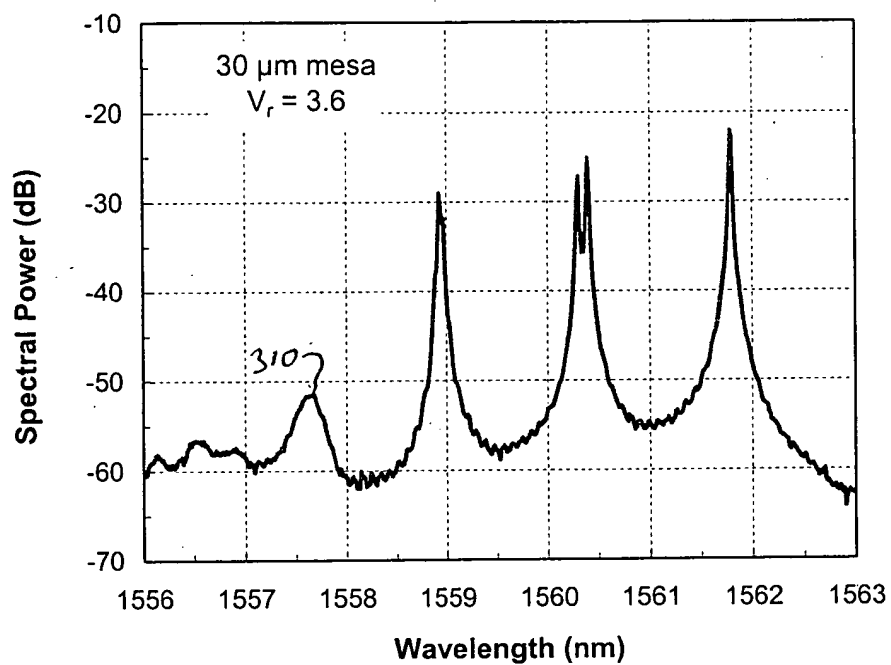


Fig. 29A.

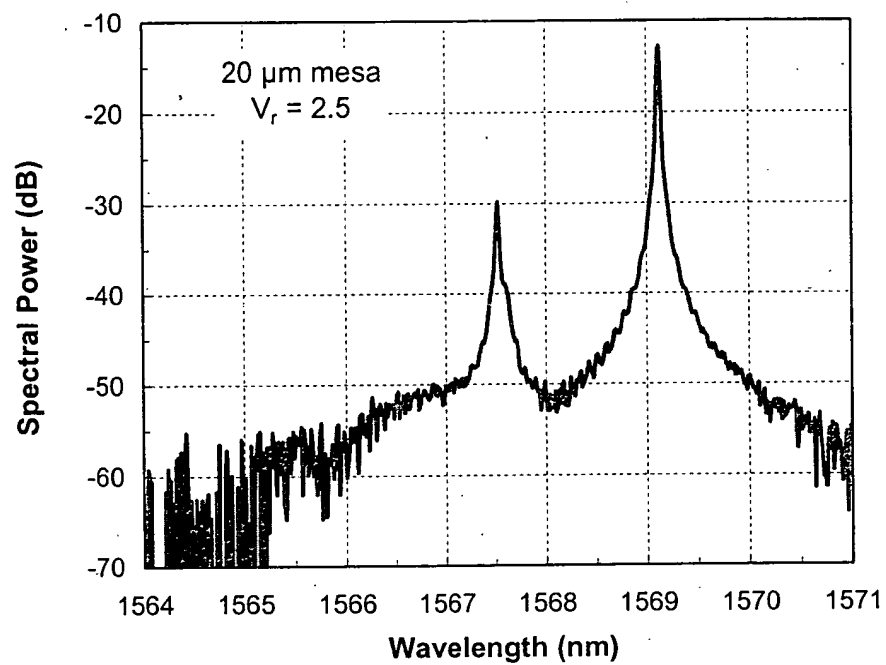


Fig. 29B.

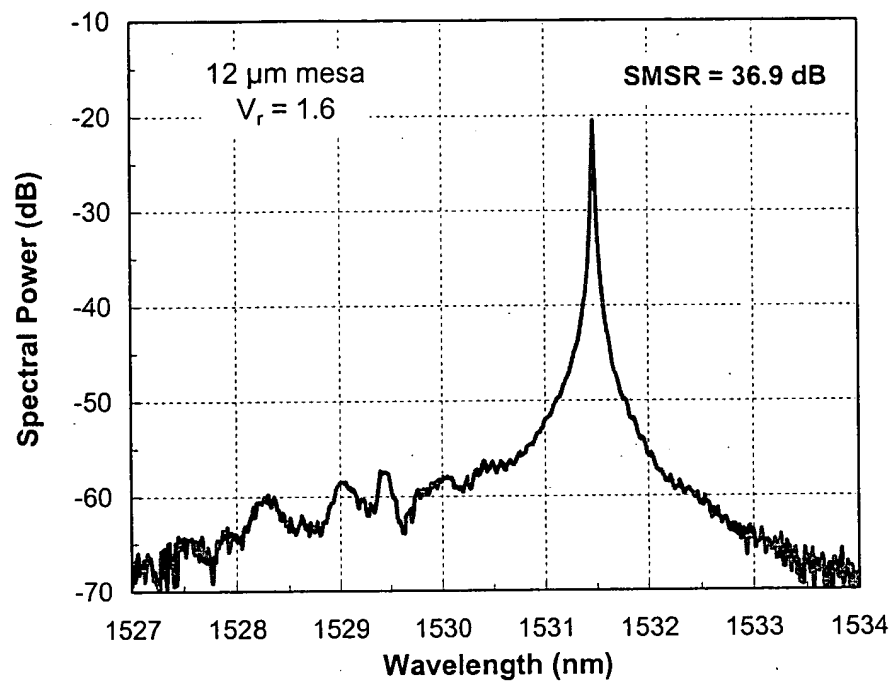


Fig. 29C.

Measured Mode Finesse vs. Mesa Diameter

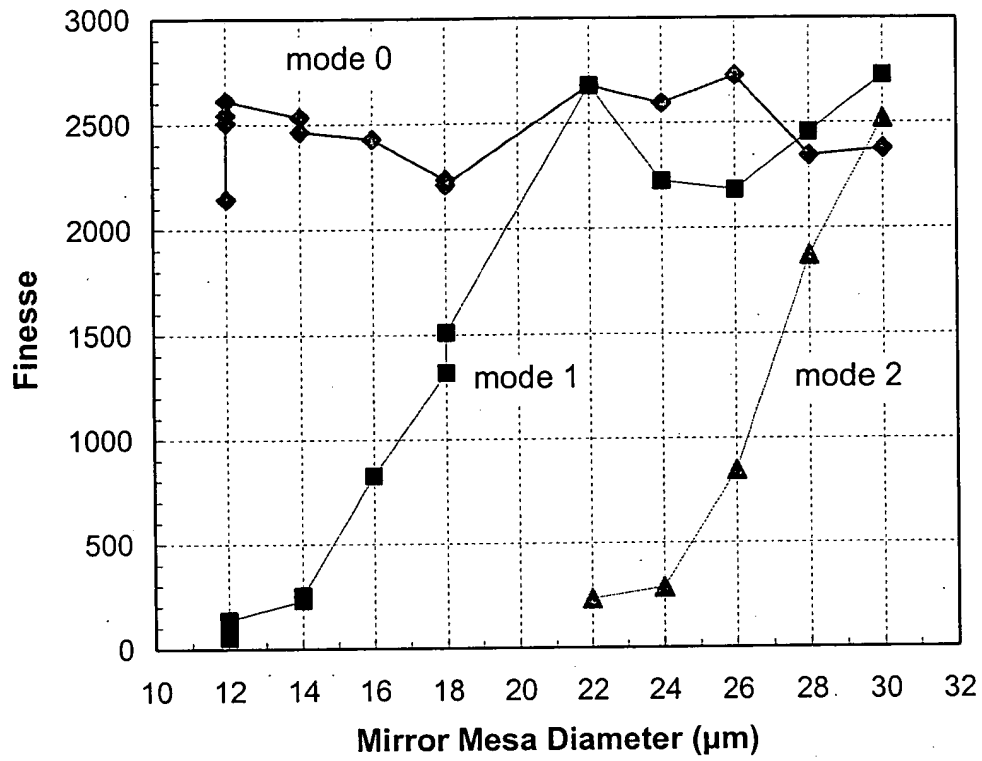


Fig. 30.

Measured Filter Finesse vs. Cavity V_r Parameter

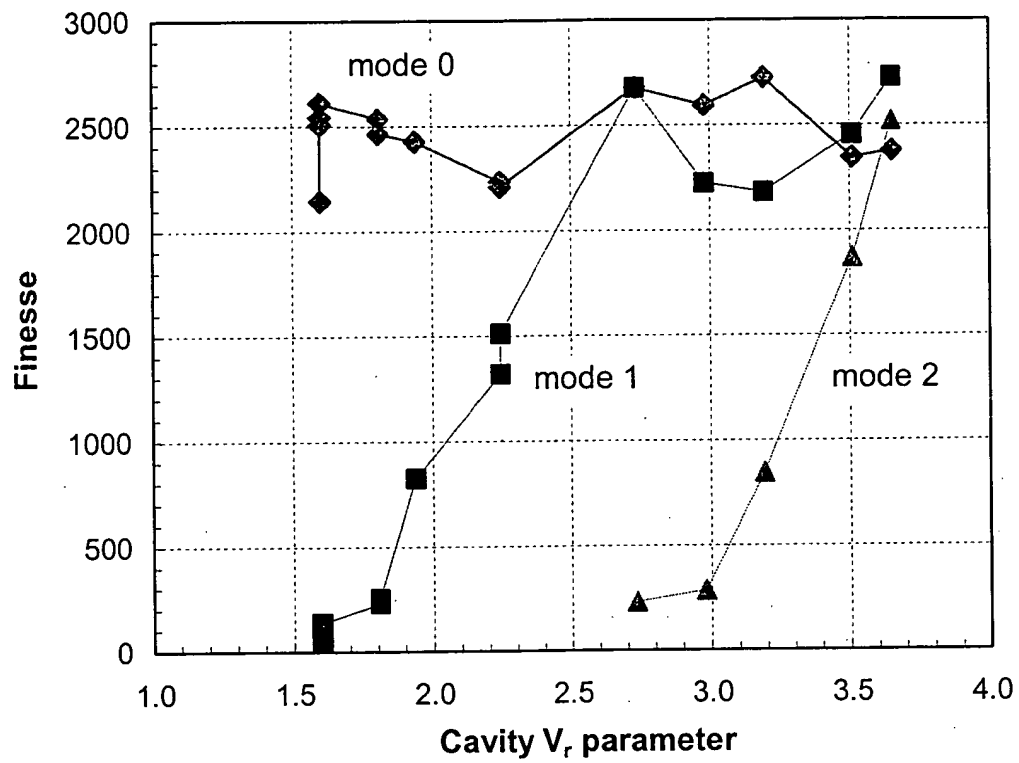


Fig. 31.

Conventional (Spherical) Mirror Filter SMSR (dB)

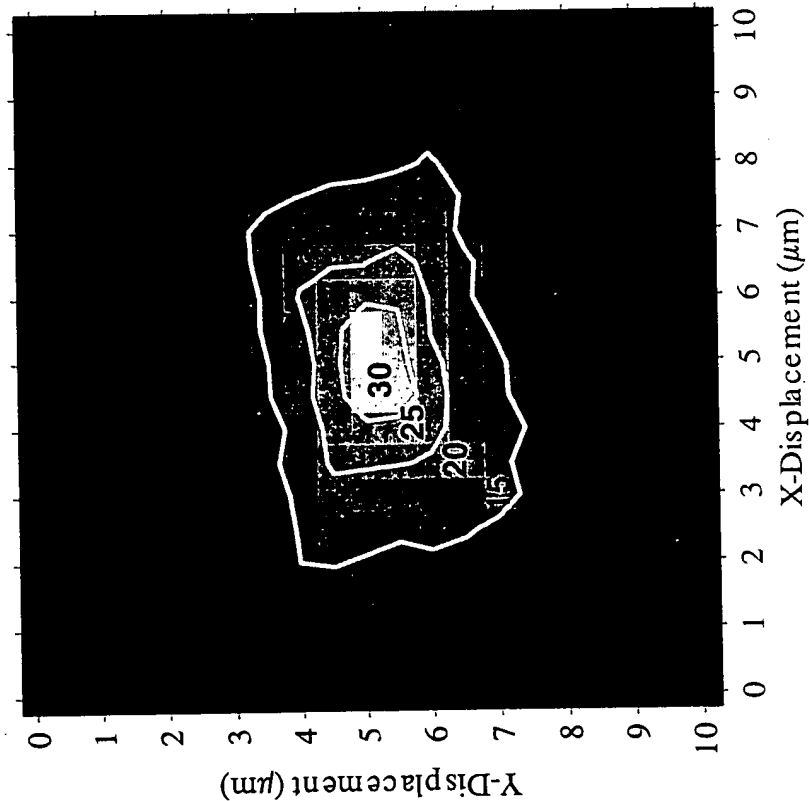


Fig. 32A

Inventive Mirror Filter SMSR (dB)

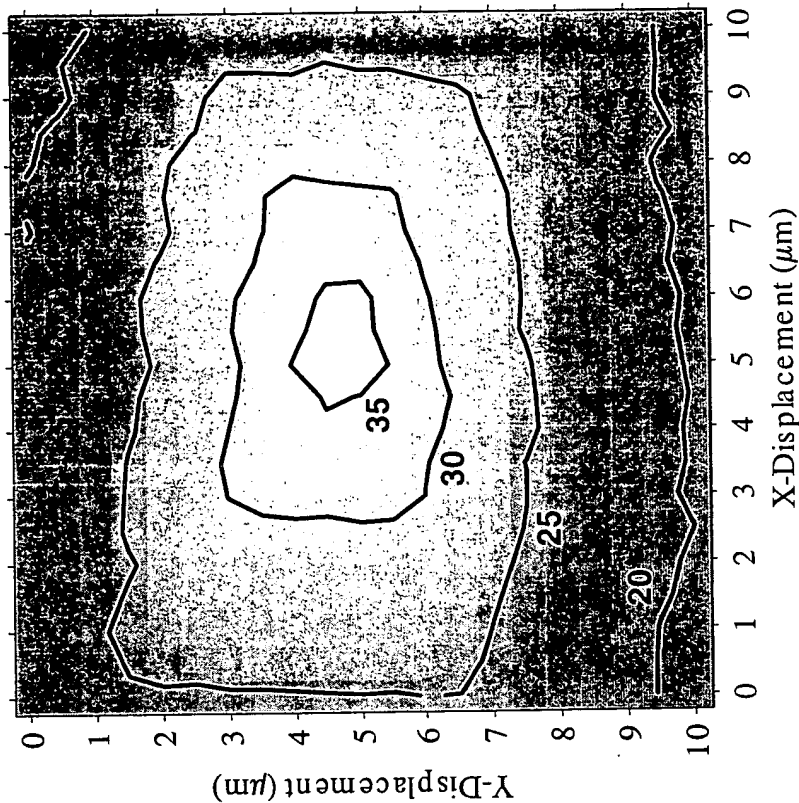


Fig. 32B

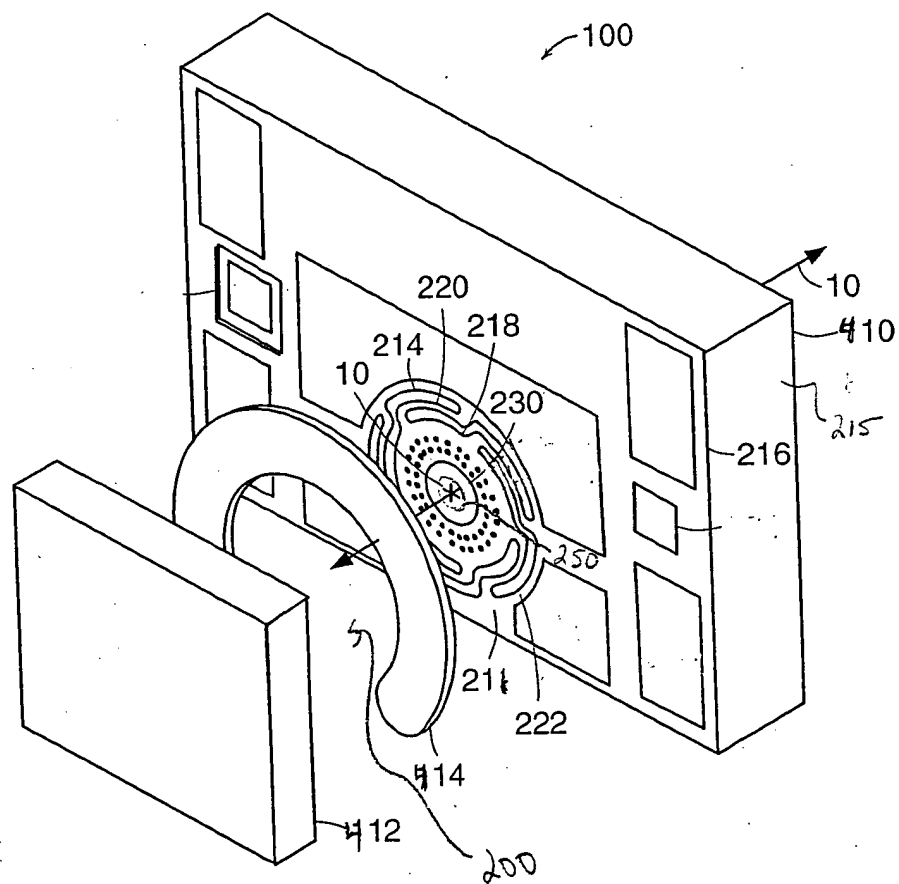


FIG. 33

Measured Tunable Fabry-Perot Filter Spectrum

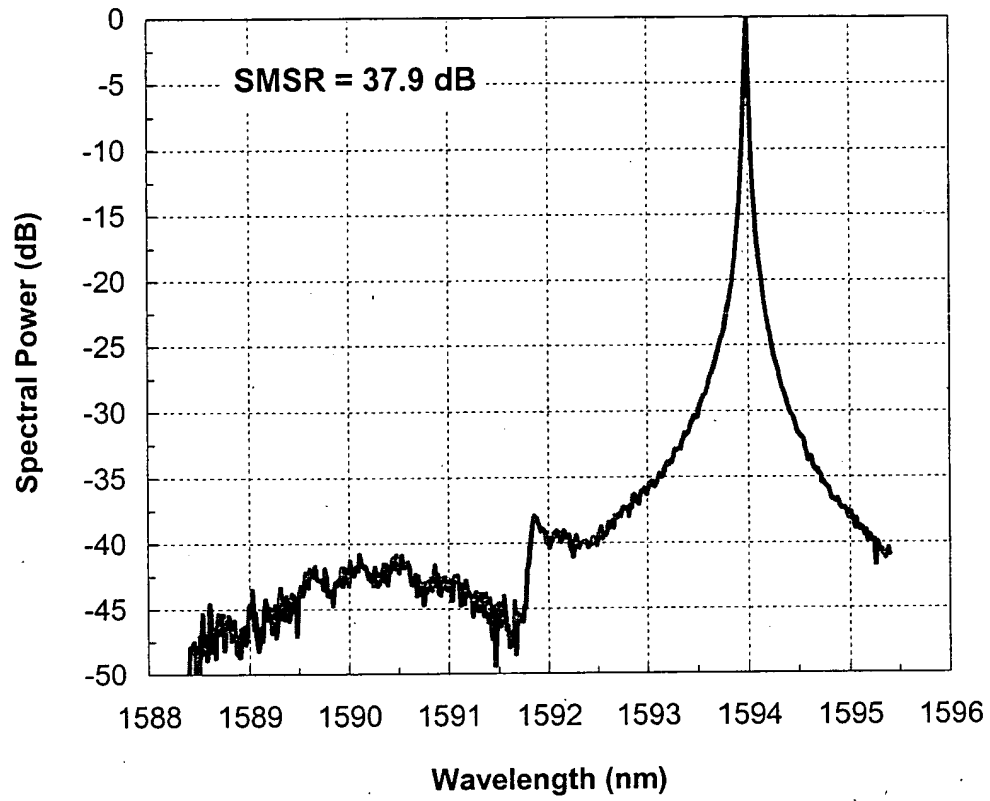


Fig. 34

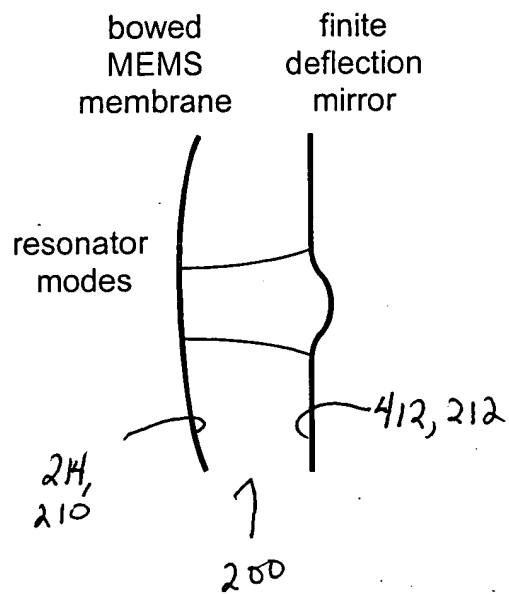


Fig. 35

Net Mirror Profile: Secant Hyperbolic Mirror + Flat Membrane

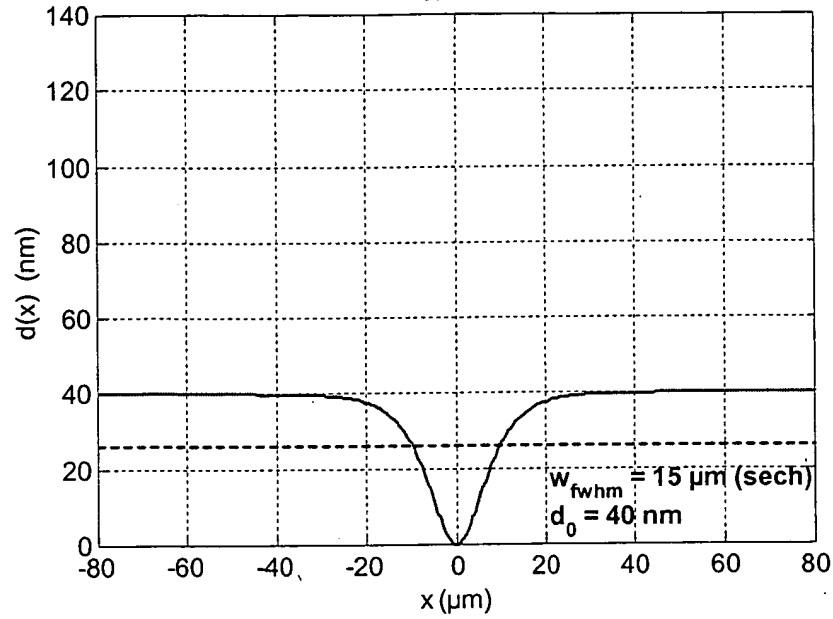


Fig. 36A

Net Mirror Profile: Secant Hyperbolic Mirror + Bowed Membrane

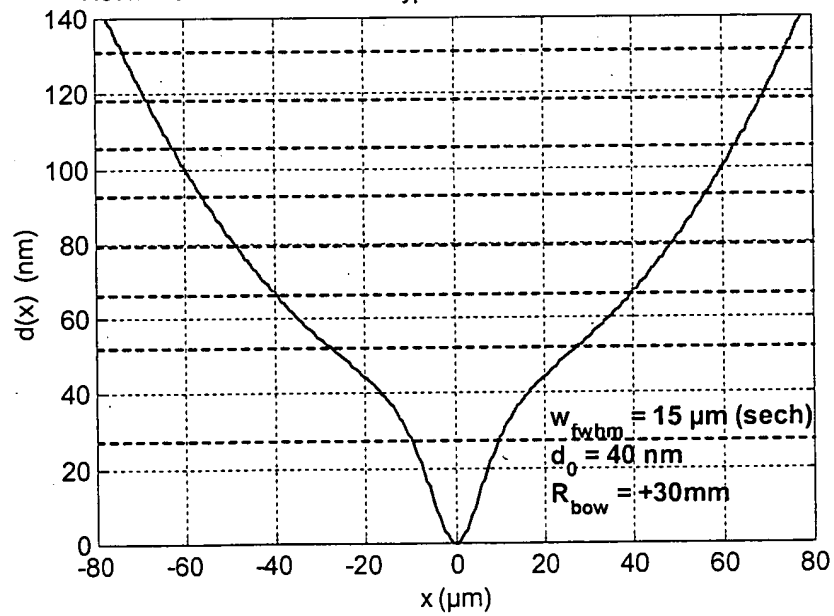


Fig. 36B

Net Mirror Profile: Secant Hyperbolic Mirror - Bowed Membrane

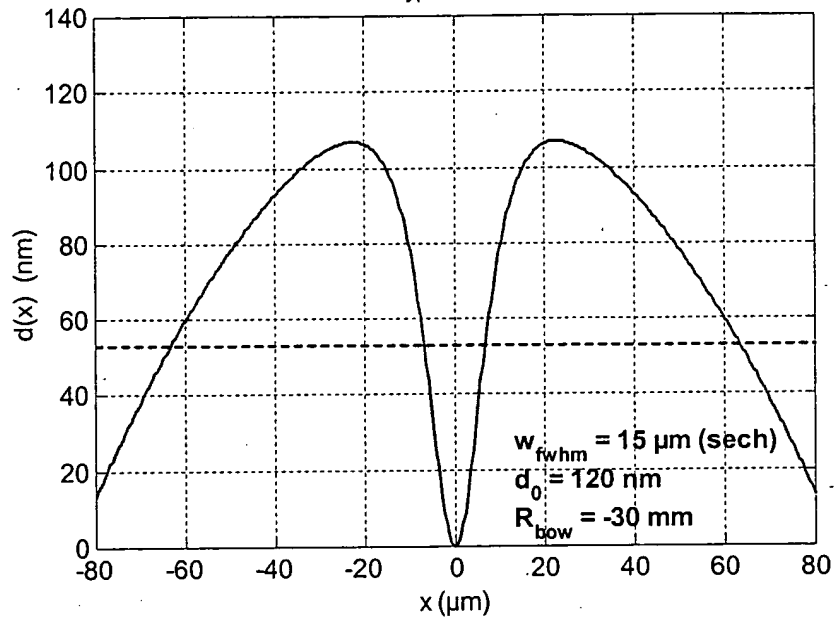


Fig. 36a

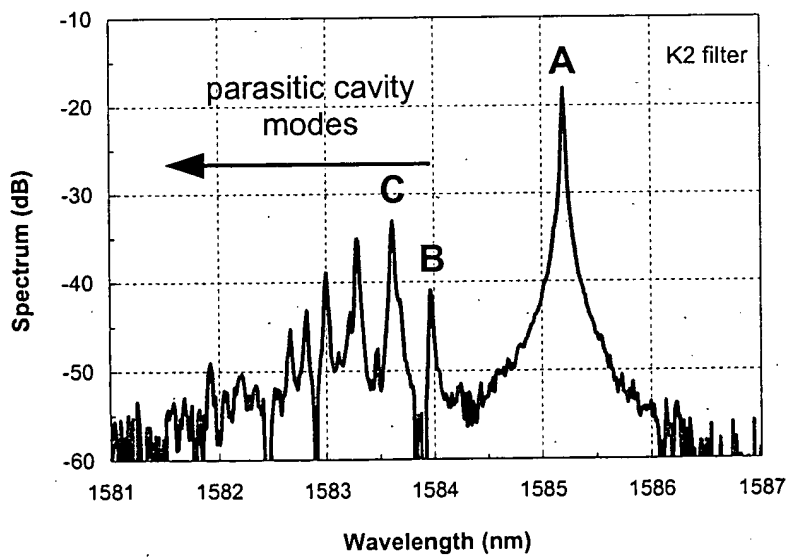


Fig. 37